BROADRADIO

Femtocell Product Introduction

Product Overview

Femtocell is a small,low-power,low-cost microcellular device.It is used to address issues such as weak indoor signal coverage and insufficient capacity in small areas.

Technical Features

- ✓ Self-Organizing Network (SON) Technology: The core enabler for Femtocell to achieve plug-and-play functionality and low operation and maintenance costs.
- ✓ Interference Management Technology: The key to ensuring Femtocell communication quality.
- ✓ Seamless Handover Technology: Ensures uninterrupted communication services when users move between Femtocells and macro base stations, serving as a crucial technology for enhancing user experience.

Application Scenarios

- ✓ Widely used in homes
- ✓ Small offices
- ✓ Elevators
- ✓ Stores and other places

Product Specifications

LTE Femtocell 2*24dBm（Indoor）

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Band	B1/B3/B5/B8/B28/B7
Carrier bandwidth	5/10/15/20 MHz
Nominal output power	2*21dBm/2*24dBm
Peak rate	DL/150Mbps；UL/75Mbps (FDD,20MHz/carrier BW)
User No.	Supports 64 access users, 32 service users
Synchronous mode	RGPS，1588；±0.01ppm
ANT	Built in omnidirectional antenna or external SMA RF interfaces
Backhaul interface	1*RJ45 GE；1*SFP+ GE
EVM	QPSK < 17.5%，16QAM < 12.5%， 64QAM < 5%
Sensitivity	≤-100dBm/ANT(FDD LTE:3GPP TS 36.141)
ACLR	≤-45dBc
VSWR	≤1.5
Temp/Humidity	-25℃～+45℃；10%～90%
IP rating	IP30
Power consumption	21dBm:18W;24dBm:24W
Power supply mode	AC 220V to DC 12V power adapter
Dimension（L*W*H）	≤180mm*130mm*49mm
Weight	≤1kg
Installation	Ceiling mounted, wall mounted